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DATE MAILED: 08/07/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/899,627	07/05/2001	Jong-won Lee	8021-55 (SS-14743-US)	5141	
7	590 08/07/2003				
Frank Chau F. CHAU & ASSOCIATES, LLP Suite 501			EXAMINER		
			GUERRERO, MARIA F		
1900 Hempstead Turnpike East Meadow, NY 11554			ART UNIT PA		
•	•		2822		

Please find below and/or attached an Office communication concerning this application or proceeding.

				A			
1		Application No.	Applicant(s)				
1	Advisory Action	09/899,627	LEE ET AL.				
	,	Examiner	Art Unit				
	:	Maria Guerrero	2822				
	The MAILING DATE of this communication appe	ears on the cover sheet with the c	orrespondence add	ress			
There final r condi	REPLY FILED 17 July 2003 FAILS TO PLACE THIS efore, further action by the applicant is required to a rejection under 37 CFR 1.113 may only be either: (1) ition for allowance; (2) a timely filed Notice of Appeal innation (RCE) in compliance with 37 CFR 1.114.	oid abandonment of this application application () a timely filed amendment whicles	ation. A proper repl n places the applica	y to a ition in			
	PERIOD FOR RE	EPLY [check either a) or b)]					
b) fee har fee und (2) as	The period for reply expiresmonths from the mailing. The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire I ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS 706.07(f). In the status of time may be obtained under 37 CFR 1.136(a). The verbeen filed is the date for purposes of determining the period of der 37 CFR 1.17(a) is calculated from: (1) the expiration date of set forth in (b) above, if checked. Any reply received by the Office filed, may reduce any earned patent term adjustment. See 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office filed, may reduce any earned patent term adjustment.	Advisory Action, or (2) the date set forth ater than SIX MONTHS from the mailing FILED WITHIN TWO MONTHS OF The date on which the petition under 37 CF of extension and the corresponding amount the shortened statutory period for reply ce later than three months after the mail	g date of the final rejecti IE FINAL REJECTION. R 1.136(a) and the appr unt of the fee. The appr originally set in the final	on. See MPEP opriate extension ropriate extension Office action; or			
1.	A Notice of Appeal was filed on Appellant's 37 CFR 1.192(a), or any extension thereof (37 CFF	Brief must be filed within the pe R 1.191(d)), to avoid dismissal o	eriod set forth in f the appeal.				
2.	The proposed amendment(s) will not be entered be	ecause:					
(8	(a) They raise new issues that would require further consideration and/or search (see NOTE below);						
(t	b) \square they raise the issue of new matter (see Note b	pelow);					
(0	 they are not deemed to place the application in issues for appeal; and/or 	n better form for appeal by mate	rially reducing or sir	mplifying the			
(0	d) they present additional claims without canceling NOTE:	ng a corresponding number of fi	nally rejected claim	S.			
3.	Applicant's reply has overcome the following reject	tion(s):					
4.	Newly proposed or amended claim(s) would canceling the non-allowable claim(s).	be allowable if submitted in a se	eparate, timely filed	amendment			
5.🛛	The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for application in condition for allowance because: See		dered but does NO	T place the			
6.	The affidavit or exhibit will NOT be considered becaraised by the Examiner in the final rejection.	ause it is not directed SOLELY t	o issues which were	e newly			
7.	For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.						
	The status of the claim(s) is (or will be) as follows:						
	Claim(s) allowed: none.						
	Claim(s) objected to: none.						
	Claim(s) rejected: <u>12-26</u> .						
	Claim(s) withdrawn from consideration: none.						
8.	The proposed drawing correction filed on is	a)□ approved or b)□ disapp	roved by the Exami	ner.			
9.🛛	Note the attached Information Disclosure Statemen	nt(s)(PTO-1449) Paper No(s). <u>8</u>					

Maria Guerrero
Patent Examiner
July 28, 2003

10. Other: ____



Continuation of 5. does NOT place the application in condition for allowance because: the arguments are not persuasive. Applicant argued that the specification has provided sufficient direction to a skilled artisan to make the invention without undue experimentation. However, the specification does not reasonably provide enablement for exposing the barrier layer until exposing the surface of the interdielectric layer by chemical mechanical polishing. The specification provides direction in the step of exposing the barrier layer (Fig.2-3, page 7, lines 5-10). Nevertheless, it is considered that essential information is missing from the specification about how a person of ordinary skill in the art could develop the step of "exposing the barrier layer until exposing the surface of the interdielectric layer by chemical mechanical polishing so that the copper seed layer remains only within the recessed region". In addition, a conclusion of lack of enablement means that, based on the evidence regarding each of the above factors, the specification, at the time the application was filed, would not have taught one skilled in the art how to make and/or use the full scope of the claimed invention without undue experimentation. In re Wright, 999 F.2d 1557,1562, 27 USPQ2d 1510, 1513 (Fed. Cir. 1993).